

$^{61}\text{Ni}(\text{p},\text{p}')$ 1967Te02

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Balraj Singh	ENSDF	20-Jan-2020

No changes made since the 2015 update.

[1967Te02](#): E(p)=11-11.5 MeV. Measured $\sigma(E(\text{p}'))$, magnetic spectrograph, FWHM \approx 11 keV, enriched target (92%).

[1967Co27](#): Report 20 groups up to 2.6 MeV.

Others: [1968An22](#), [1970An32](#).

For deformation parameters, see [1970An32](#).

$J^\pi(^{61}\text{Ni g.s.})=3/2^-$.

 ^{61}Ni Levels

<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>	<u>E(level)</u>
0.0	3250 7	4123 7	4881 7
65 7	3259 7	4143 7	4903 7
280 7	3275 7	4166 7	4930 7
654 7	3286 7	4181 7	4949 7
906 7	3346 7	4196 7	4968 7
1014 7	3388 7	4234 7	4993 7
1099 7	3406 7	4259 7	5010 10
1134 7	3423 7	4267 7	5027 10
1184 7	3449 7	4288 7	5038 10
1452 7	3468 7	4312 7	5056 10
1606 7	3486 7	4336 7	5079 10
1724 7	3506 7	4351 7	5098 10
1807 7	3527 7	4377 7	5119 10
1978 7	3548 7	4400 7	5152 10
1991 7	3560 7	4428 7	5164 10
2010 7	3587 7	4443 7	5183 10
2114 7	3611 7	4453 7	5200 10
2123 7	3621 7	4477 7	5220 10
2402 7	3639 7	4502 7	5247 10
2462 7	3657 7	4520 7	5270 10
2523 7	3687 7	4540 7	5295 10
2590 7	3710 7	4568 7	5338 10
2638 7	3730 7	4573 7	5374 10
2691 7	3758 7	4599 7	5387 10
2709 7	3782 7	4624 7	5408 10
2757 7	3837 7	4644 7	5438 10
2784 7	3855 7	4668 7	5453 10
2800 7	3872 7	4681 7	5486 10
2849 7	3919 7	4701 7	5503 10
2887 7	3934 7	4722 7	5519 10
3034 7	3969 7	4741 7	5550 10
3053 7	3997 7	4752 7	5574 10
3099 7	4024 7	4790 7	5588 10
3113 7	4051 7	4817 7	5601 10
3136 7	4077 7	4831 7	5623 10
3180 7	4108 7	4861 7	